

Installation and Operation Manual E-STOP

MANUFACTURED BY PARKER - PGI DIVISION

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Form IOM-E-STOP - Rev 01

IMPORTANT: KEEP THIS DOCUMENT WITH THE PRODUCT UNTIL IT REACHES THE END USER.

1. Contact with or inhalation of Anhydrous Ammonia (NH₃) can cause **SERIOUS INJURY OR DEATH**.
2. Before installation or removal of any valve, the system must be purged of all product.
3. Personal Protective Equipment (PPE), safety gloves, goggles and clothing should be worn.
4. For proper handling and storage of NH₃, refer to ANSI Standard K61.1, CGA 2.1 or Local Authority having jurisdiction.
5. An abundant supply of fresh water should be available to provide immediate first aid treatment for exposure to NH₃.
6. To ensure long term safe operation, the manufacturer recommends that under normal service conditions this product should be inspected at least twice every year and be repaired or replaced as required. Transmitter battery should be checked/tested once daily when in use.

WARNING: This product should be used with Anhydrous Ammonia (NH₃) only.

DESCRIPTION

The E-STOP is a physical palm "emergency stop" push button. Together with the RSD-E-BOX or CV-BOX, the system is designed to add physical shut-down capabilities to a stationary anhydrous ammonia (NH₃) storage tank. In the event of an unintentional product release, the operator may shut-down the electromagnet or pneumatically actuated valves by pressing the E-STOP button.

When the E-STOP palm button is pressed, it removes power by opening the electrical circuit to any valves that are connected to the RSD-E-BOX or CV-BOX.

ELECTRICAL SPECIFICATIONS

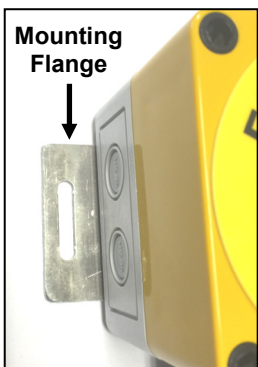
- Operating Voltage: 12 VDC
- Max Current Output: 15 A at 12 VDC
- Input Cable: 2 ft. long, 12 AWG 2-conductor SJOOW Cord
- Output Cable: 2 ft. long, 12 AWG 2-conductor SJOOW Cord

ENCLOSURE SPECIFICATIONS

- Size: 3.7" x 3.7" x 3.2" (L x W x D)
- Weight: 1-1/2 lbs.
- Enclosure Material: Plastic
- Enclosure Rating: Weather-proof IP66

MOUNTING INSTRUCTIONS

The E-STOP enclosure has an IP66 rating and is required to be mounted in the vertical position (wiring at the bottom). The enclosure includes a mounting flange at the back with two 1/4" slots on each side for mounting.



E-STOP



While this information is presented in good faith and believed to be accurate, Individuals using this literature must exercise their independent judgment in evaluating product selection and determining product appropriateness for their particular purpose, system requirements and certifications. The manufacturer reserves the right to change product designs and specifications without notice.

ELECTRICAL WIRING



CAUTION
ELECTRIC SHOCK HAZARD

Disconnect the power prior to maintenance or installation of any electronic or electrical device. Failure to do so could cause injury or death.



WARNING

Any changes or modifications not expressly approved by the PGI Business Unit - IPD Division of Parker Hannifin Corporation could void the user's authority to operate this device.

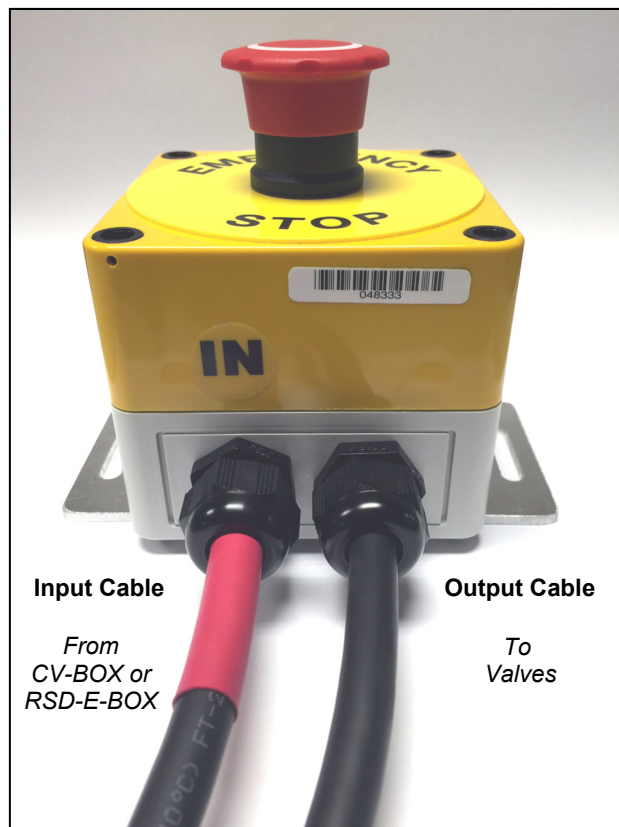
The E-STOP comes internally pre-wired and ready for use. The only external connections necessary are the input power and the output connection to the valves/solenoids. Input power supply should be in series with the output of the RSD-E-BOX or CV-BOX. The input power connection on the E-STOP can be identified by the red heat shrink on the cable and the "IN" label on the box. Output connection to the valves/solenoids is completed through a proper termination of the provided 12 VDC, 2-conductor 12 AWG output cord cable and the valves/solenoids to be used. Please note the WHITE wire is the positive voltage and the BLACK wire is the negative voltage on both the Input and Output side cables (Figure 1).

WARNING: ALL ELECTRICAL CONNECTIONS MUST BE MADE BY A LICENSED ELECTRICIAN OR AUTHORIZED PERSONNEL ONLY.

RESETTING AFTER A SHUT-DOWN

After a shut-down, to reset the system, pull back the emergency stop palm button.

Figure 1



CONTACT SQUIBB-TAYLOR

If you have any additional questions about anything contained in this manual or desire additional copies, please call Squibb-Taylor at 1-800-345-8105.

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